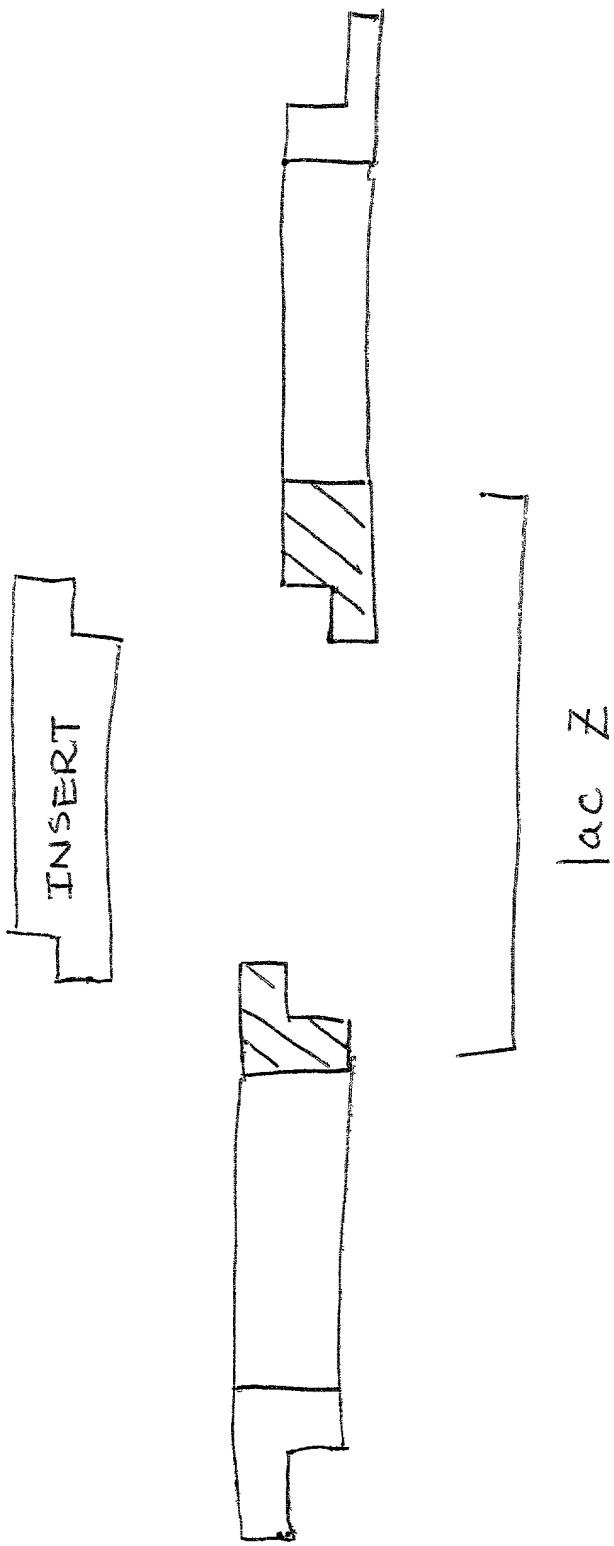


FIGURE 1



- 1) Ligate Insert
- 2) Helper phage will circularize / Exist
- 3) White colonies should contain Insert

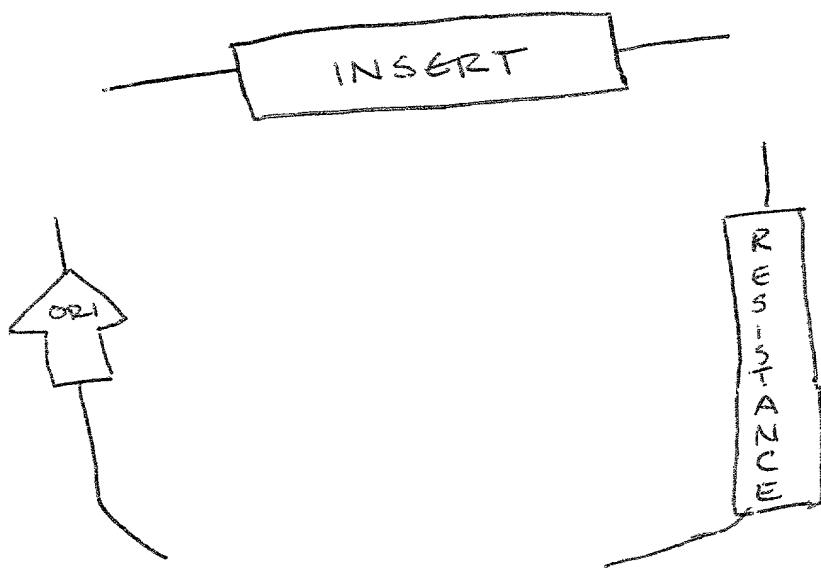


FIGURE 2

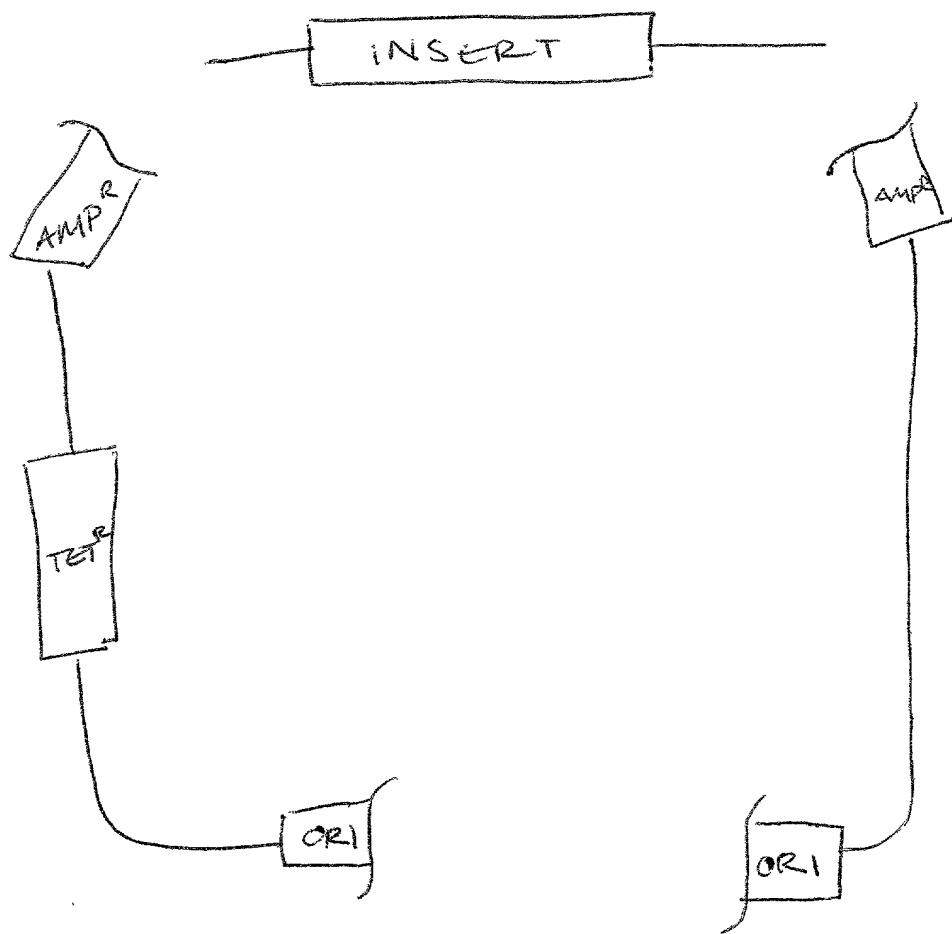


FIGURE 3

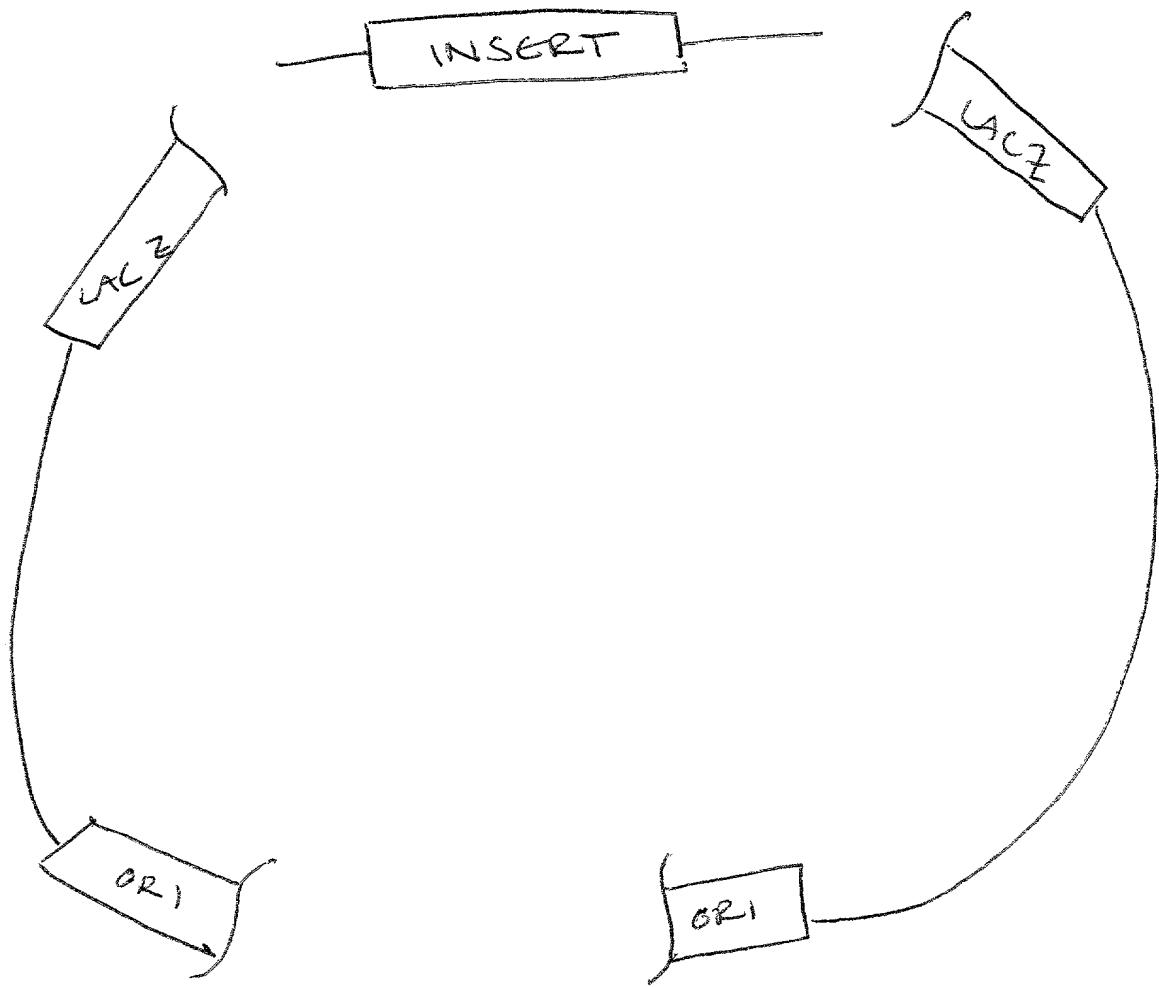


FIGURE 4

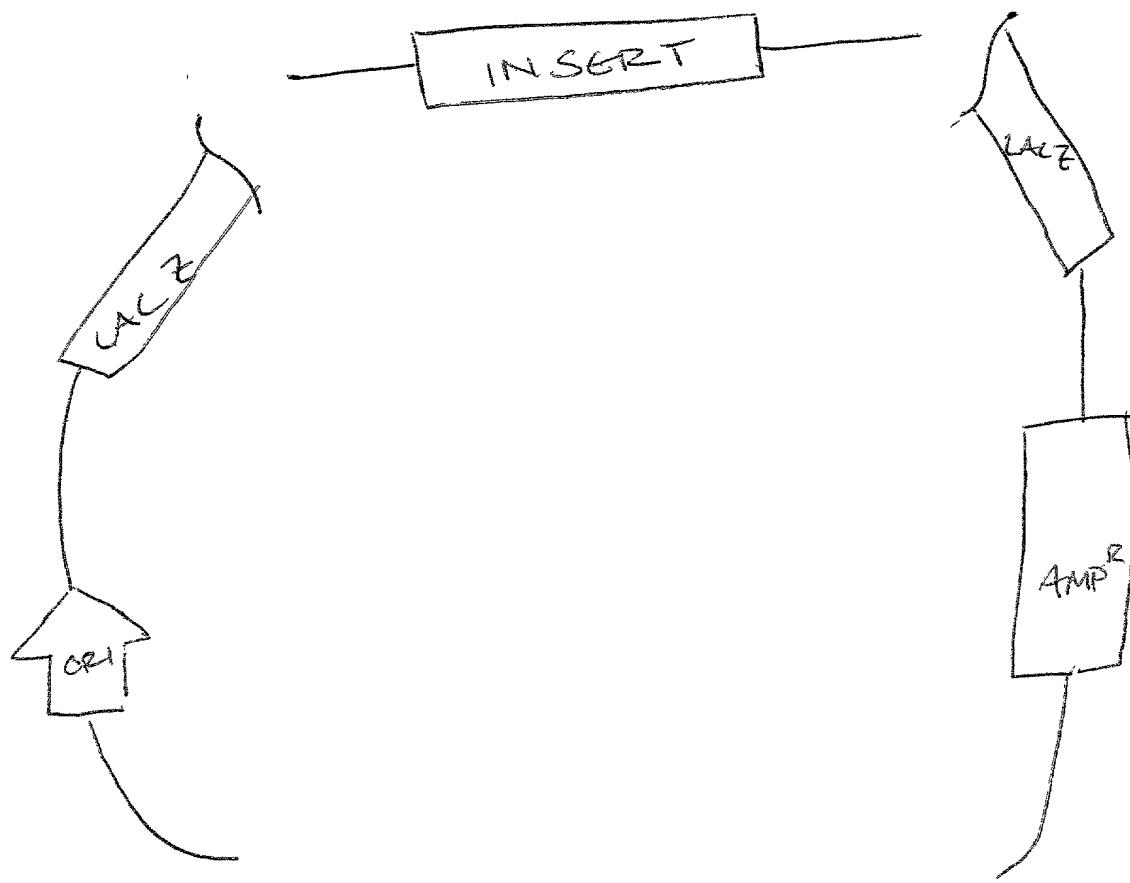


FIGURE 5

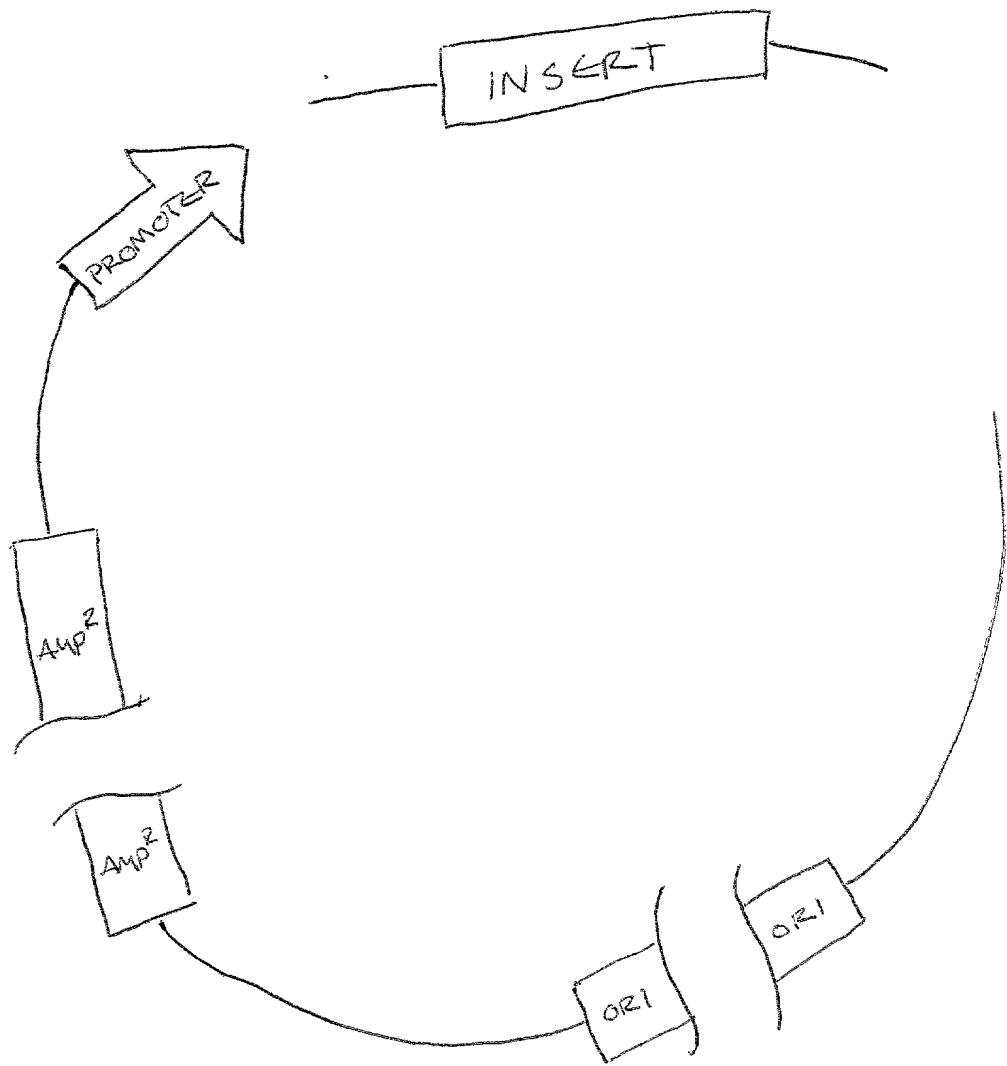


FIGURE 6

— INSERT —

P1  
FP3

AMP  
TET  
KAN

OR1 1  
OR1 2  
OR1 3

FIGURE 7

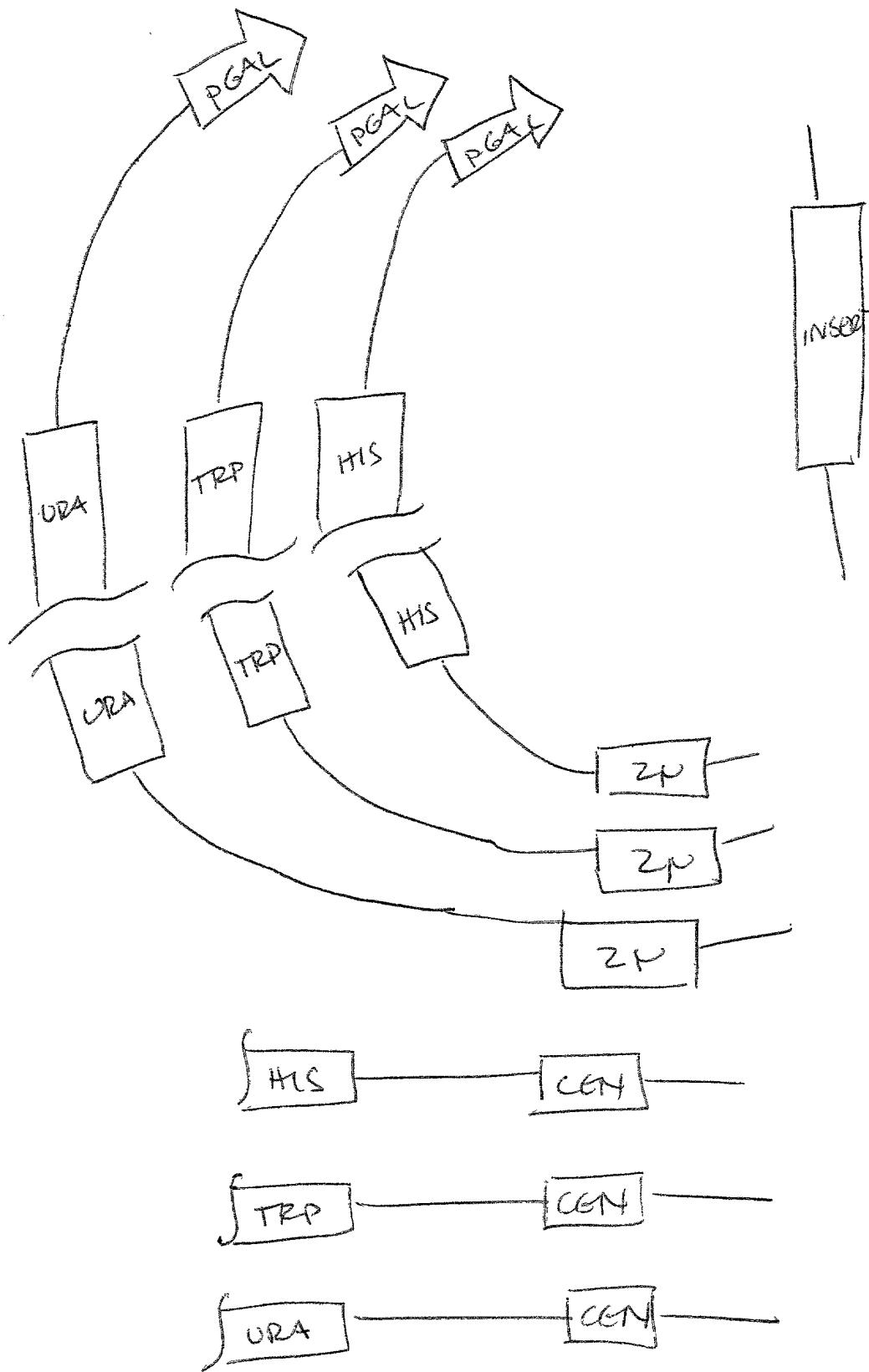
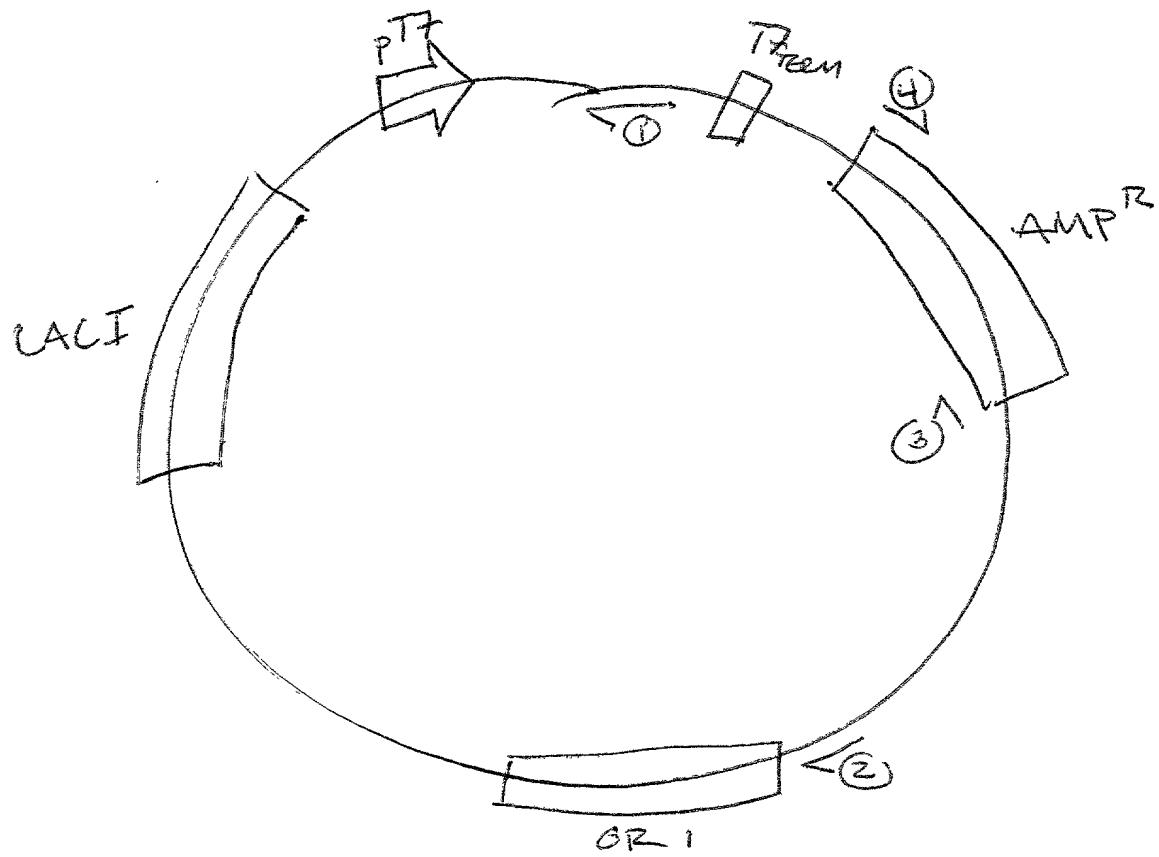


FIGURE 8



PCR  
 (1)+(2)  
 (3)+(4)

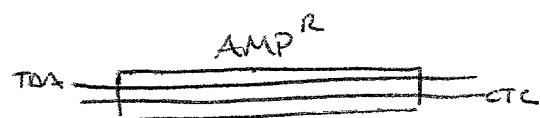
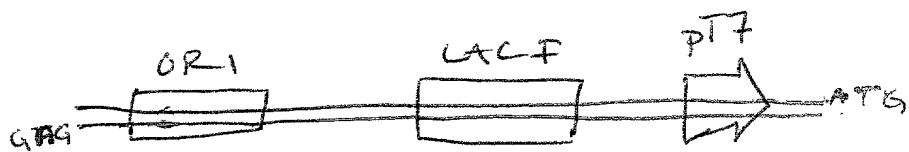


FIGURE 9A

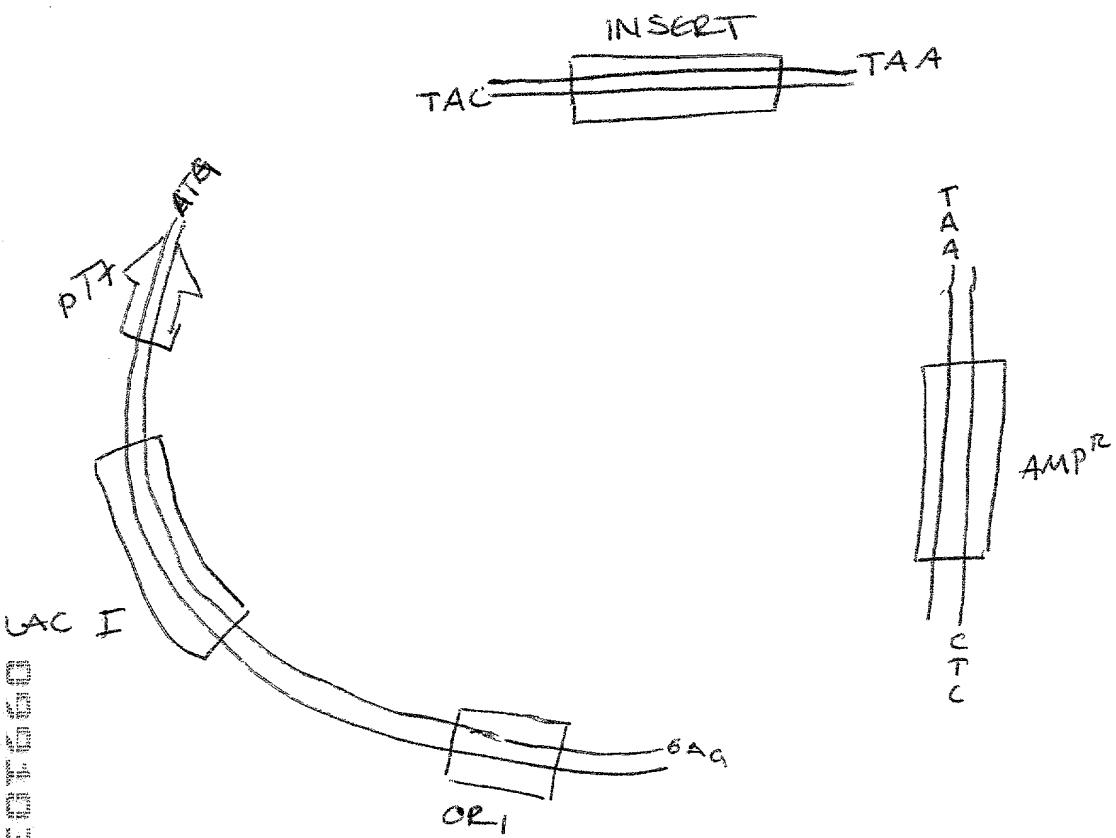


FIGURE 9B

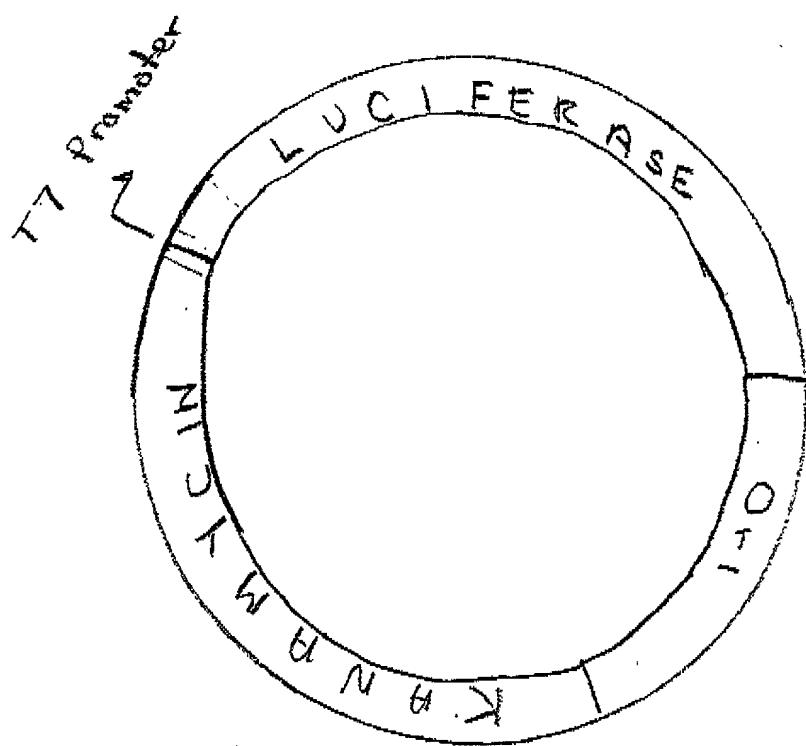
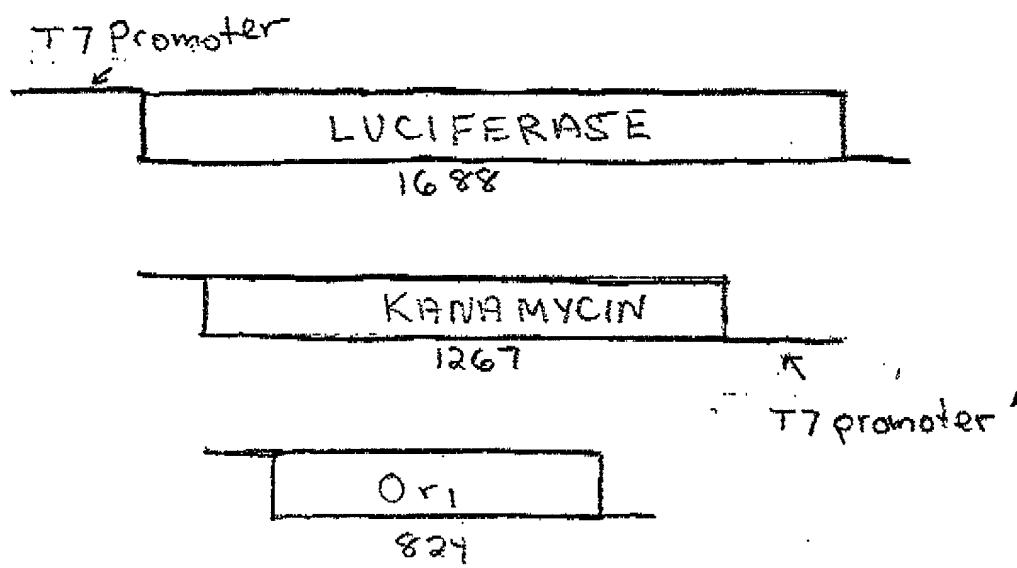


FIGURE 10

3nt + Int Ribo terminator Cloning  
(2 molecule vector)

(A)

2400 nt - S-size

3nt - 5' S' OST - CTG CTA AGT GAG CUC GAC AGA  
TCG CTG AGA TAG GTC C RNA

3nt 3' OHT - AA G CTT GCT AGG UAG gct ACG  
TCT TGC TGG CGT TCG RNA

KAN

1267 - S-size

RNA

3nt - 5' KNT - CTA CCT AGC AAC CUU CTA  
TCT GGA CAA GGG AAA ACG RNA

3nt - 3' KST - gAG CTC ACT TAG CAG GSC  
GAA AAC TCA CAA GGN TC RNA

Ori (s)

824 - S-size

RNA

Int - INT S' Ori - TTG CTA AGT GAG CTG ggc  
AGA TCG CTG AGA TAG GTG C RNA

INT 3' Ori (s) - AA G CTT GCT AGG TAG  
ggc gtt TTT CCA TAG CCT CGG RNA

KAN

1267 - S-size

RNA

Int

INT S' KAN - CTA CCT AGC AAC CTG CTA  
TCT GGA CAA GGG AAA ACg RNA

INT 3' KAN - gAG CTC ACT TAG CAA  
GAG AAC TCT CAA AGA RNA